

CLAIMS

What Is Claimed Is:

- 1 1. A transcription factor comprising a member selected from the
2 group consisting of:
3 (a) a peptide having an amino acid sequence of SEQ ID NO:2;
4 (b) a peptide having an amino acid sequence identical to a peptide
5 produced by translation of coding portions of nucleic acid
6 sequence Seq ID NO:1;
7 (c) a peptide having an amino acid sequence identical to a peptide
8 produced by translation of nucleic acid sequence SEQ
9 NO:3;
10 (d) a peptide having at least 95% sequence homology to peptide
11 (a).
- 1 2. An isolated polynucleotide comprising a member selected
2 from the group consisting of:
3 (a) a polynucleotide having a sequence identical to SEQ ID NO:1;
4 and
5 (b) a polynucleotide which hybridizes to and which is at least 95%
6 complementary to polynucleotide (a); and

7 (c) a polynucleotide that is exactly complementary to
8 polynucleotide (b).

1 3. An isolated polynucleotide comprising a member selected
2 from the group consisting of:

- 3 (a) a polynucleotide having a sequence identical to SEQ ID NO:3;
4 (b) a polynucleotide which hybridizes to and which is at least 95%
5 complementary to polynucleotide (a); and
6 (c) a polynucleotide that is exactly complementary to polynucleotide
7 (b)

1 4. A method of altering plant development comprising
2 transforming a plant with nucleic acid sequence selected from the group consisting
3 of:

- 4 (a) a polynucleotide having a sequence identical to SEQ ID NO:1;
5 (b) a polynucleotide which hybridizes to and which is at least 95%
6 complementary to polynucleotide (a)
7 (c) a polynucleotide having a sequence identical to SEQ ID NO:3;
8 and
9 (d) a polynucleotide which hybridizes to and which is at least 95%
10 complementary to polynucleotide (c).

1 5. A transgenic plant produced by transforming a plant with a
2 nucleic acid sequence selected from the group consisting of:

- 3 (a) a polynucleotide having a sequence identical to SEQ ID NO:1;
4 (b) a polynucleotide which hybridizes to and which is at least 95%
5 complementary to polynucleotide (a)
6 (c) a polynucleotide having a sequence identical to SEQ ID NO:3;
7 and
8 (d) a polynucleotide which hybridizes to and which is at least 95%
9 complementary to polynucleotide (c).

1 6. A method of altering plant development comprising transforming a
2 plant with a nucleic acid sequence coding for a CCA1 protein, said protein having a
3 domain showing at least 85% homology to amino acids 24-75 of SEQ ID NO:2.

1 7. A transgenic plant transformed with a nucleic acid sequence coding
2 for a CCA1 protein, said protein having a domain showing at least 85% homology to
3 amino acids 24-75 of SEQ ID NO:2.

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